

Argus

Showmaster 500

8MM MOVIE PROJECTOR

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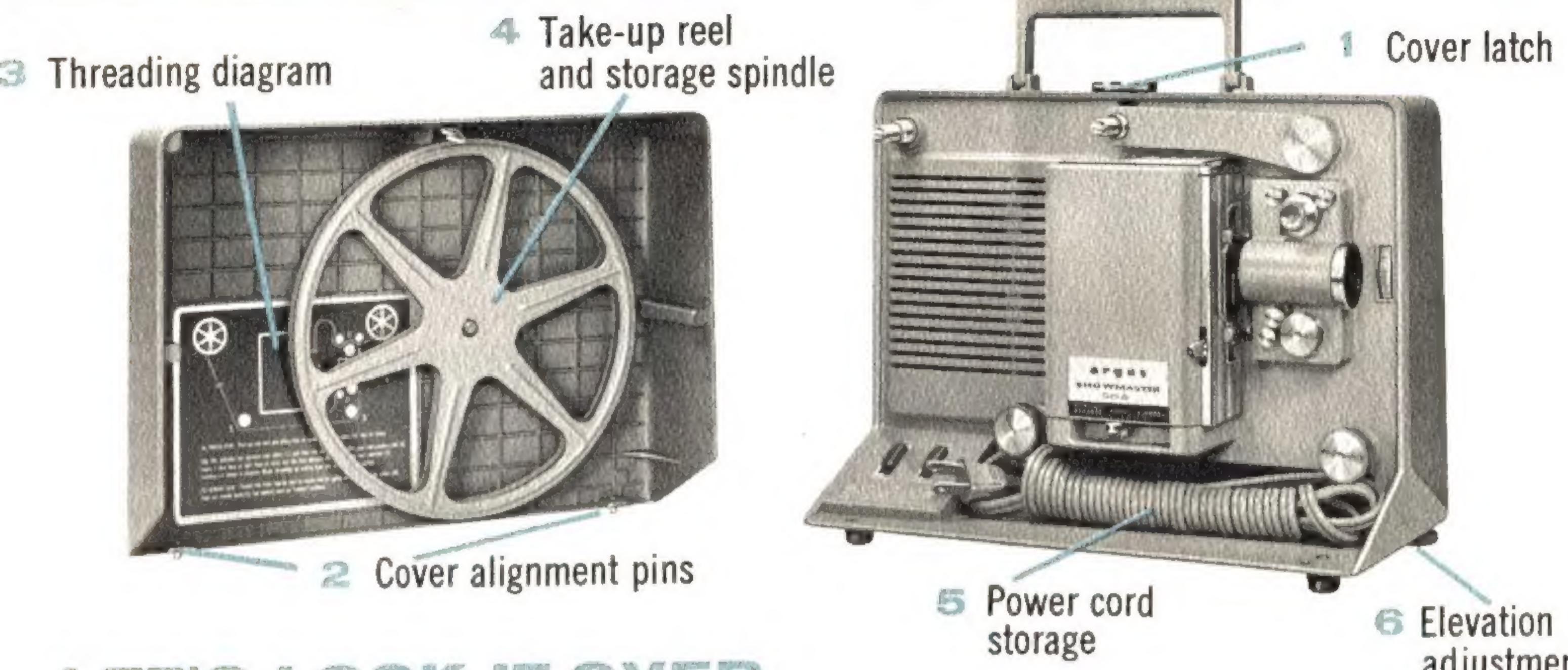
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As Argus products are constantly being improved, minor changes in the appearance of this product may not be included in this instruction book.

INTRODUCTION

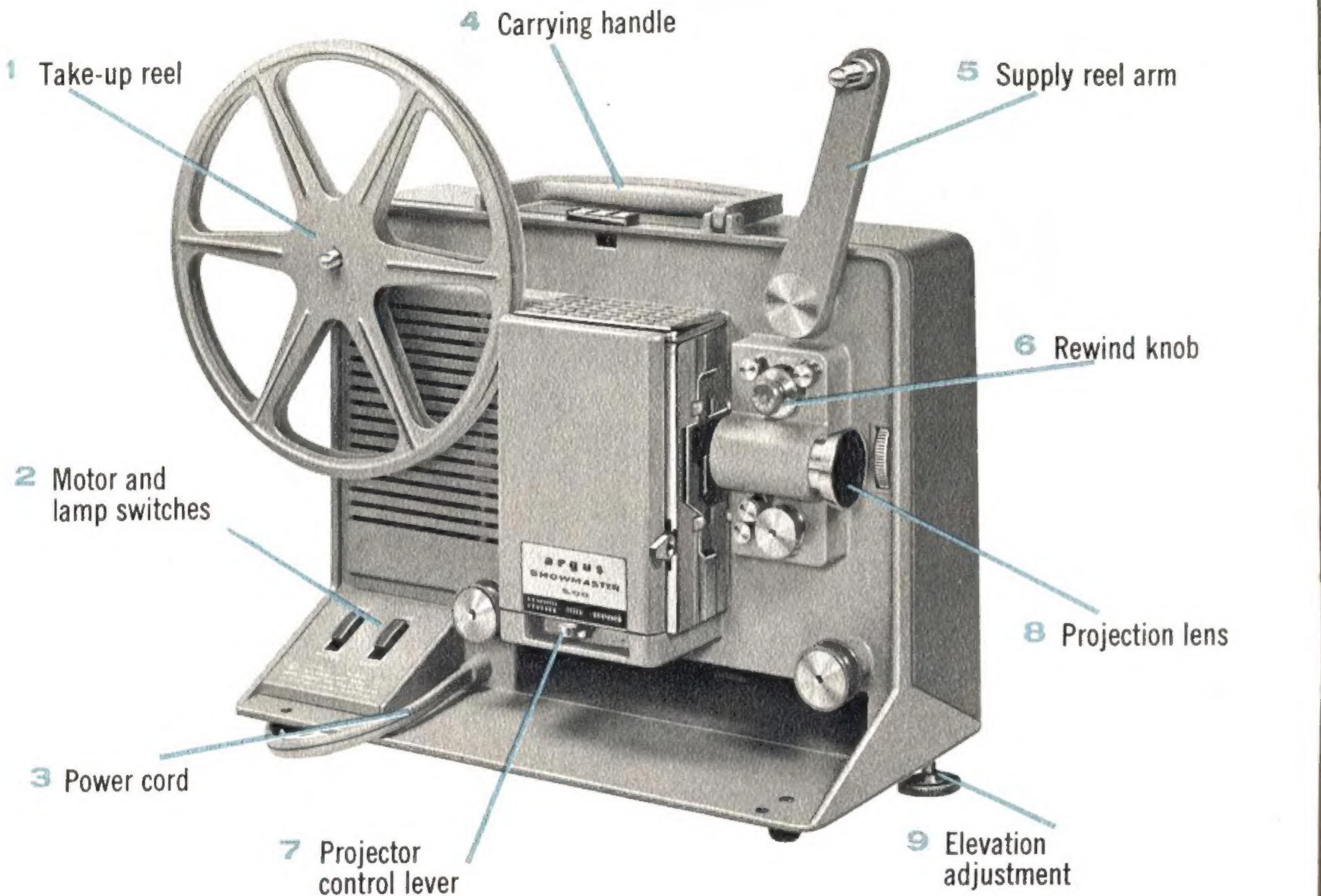
Your new Argus Showmaster Projector gives you professional-type projection for the fullest enjoyment of your own movies, yet it is extremely compact and easy to use. The secret? Sylvania's unique Tru-Flector projector lamp, which exceeds 500 watt brilliance through a revolutionary new design. This new lamp and fine Argus craftsmanship combine to bring you an 8mm movie projector which fills the needs of every movie-maker.

As with any fine piece of equipment, it is best to completely familiarize yourself with the projector before you show your first reel of film. All of the working parts of the projector are shown in the following pages, and step-by-step instructions tell how to use the projector properly.



LET'S LOOK IT OVER

- 1 Slide the cover latch to the front to unlock, then lift the cover off.
- 2 Note how the cover alignment pins fit into the holes in the edge of the projector base.
- 3 Threading and rewinding instructions are inside the cover as a reminder.
- 4 The take-up reel is stored on the spindle on the inside of the cover.
- 5 The space under the lamp house provides a convenient storage space for the power cord and instruction book.
- 6 The elevation adjustment and the feet have rubber tips to prevent marring.



BEFORE YOU THREAD THE FILM

- 1 Place the take-up reel on the rear spindle with the hub slots facing in. Rotate the reel to fit the key on the spindle into a slot, then push reel on firmly.
- 2 Be sure both motor and lamp switches are in the *off* (up) position. The switches are *on* when *down*.
- 3 Unwind cord and plug into any 105-120 volt *60 cycle* A.C. outlet. *Do not use any other type of current.*
- 4 Lay the carrying handle down (away from you) so that it will not interfere with the reels.
- 5 Pull the supply reel arm up and forward until it hits the stop. Be sure this arm is *all the way* forward.
- 6 Check to see that the rewind knob is *in* for all projector operation except rewinding.
- 7 Turn motor switch *on first*, then lamp; move control lever to FORWARD and press down to lock.
- 8 Focus the edges of the area of light on the screen by rotating the projection lens in or out.
- 9 Lift front of projector and rotate elevation adjustment to center the area on the screen.

Turn both switches off and return the control lever (by lifting up) to STILL.

PROJECTION DISTANCES

Screen Widths

24"

30"

40"

50"

Projector-to-Screen Distances

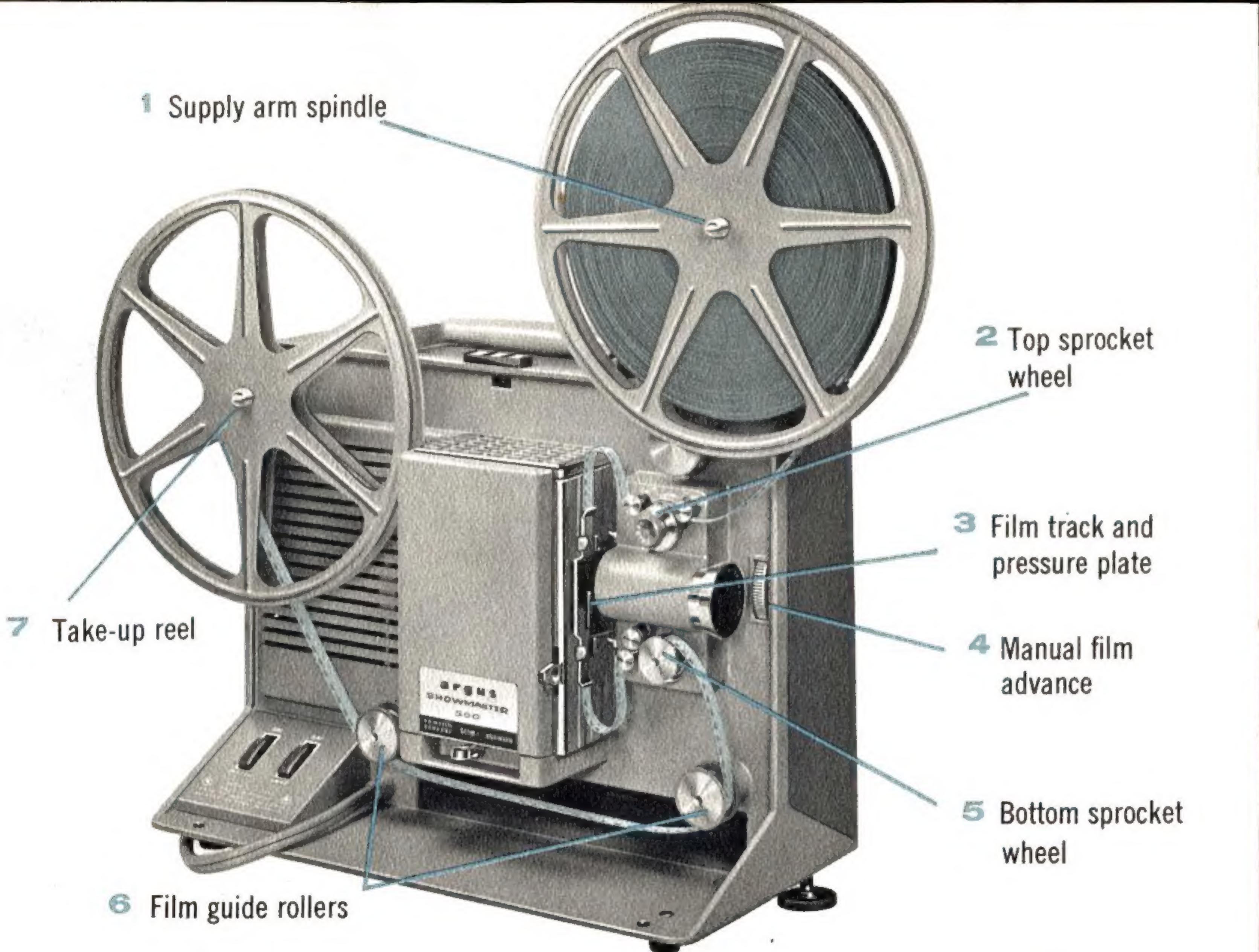
10'

12½'

16'

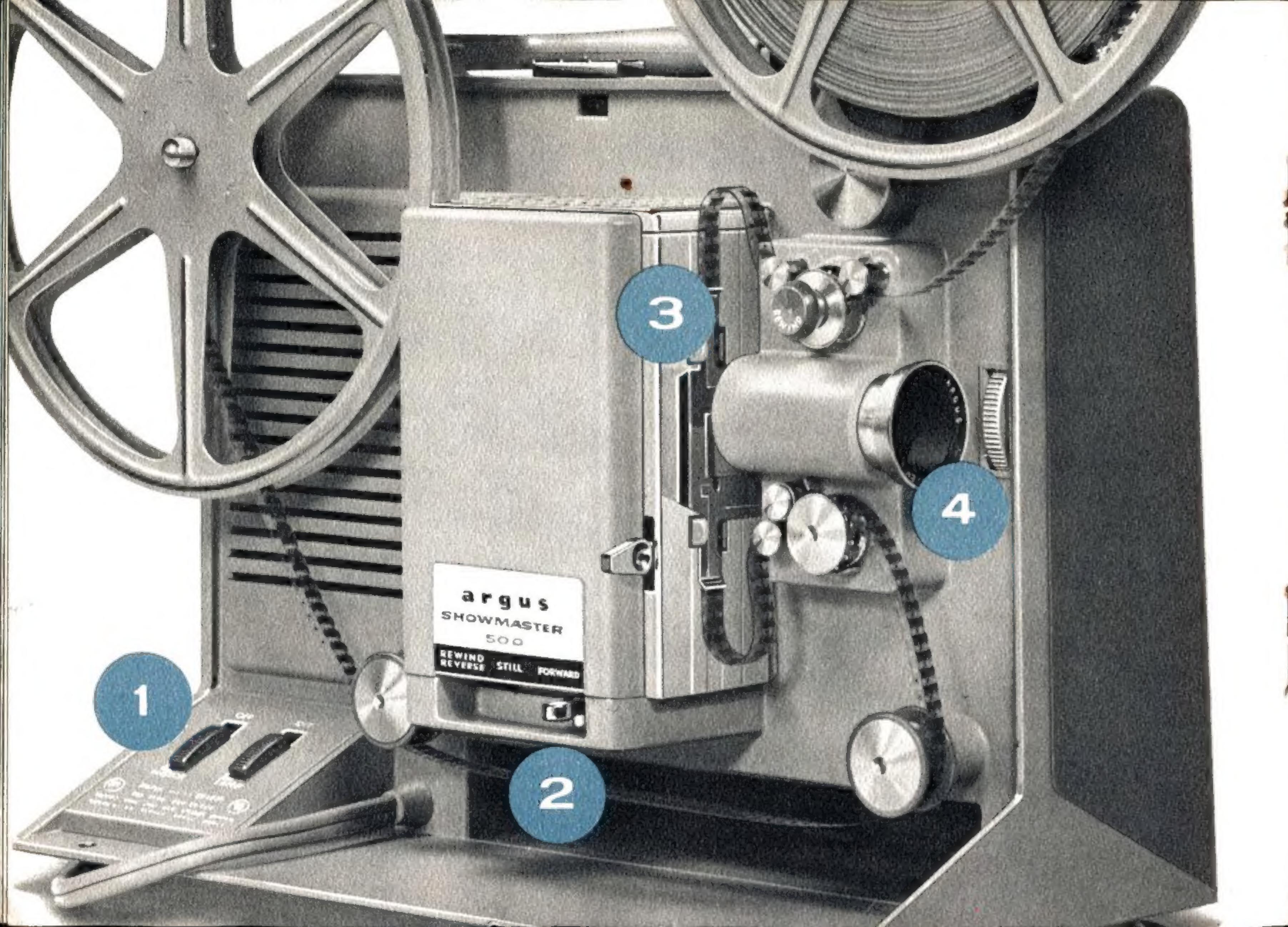
18½'

If you like, you can use the projection distance table to find the approximate distance from the projector at which the screen should be set up.



THREADING THE FILM

- 1 Place the reel of film on the supply arm spindle with the loose end of the film (leader) hanging down on the right side. Rotate the reel so that a slot fits the key on the spindle, then press reel on firmly. Pull out $2\frac{1}{2}$ feet of leader.
- 2 Slide the leader near the reel (not the end) under the two top rollers and over the sprocket wheel. Be sure sprocket wheel teeth engage the film holes.
- 3 Leaving about a 1" loop at the top, hold the film with both hands and slide it *between* the film track and pressure plate and into the stops, moving it up and down if necessary, until seated.
- 4 Move the manual film advance wheel several turns upward. This should move the film in the track downward. If the film doesn't move, reposition it so that it is all the way in against the stops and the pressure plate is flat.
- 5 Leave another one inch film loop at the bottom of the pressure plate, curve the film, and place it *between* the two rollers and over the top of the bottom sprocket wheel. Make certain the sprocket wheel teeth engage the holes.
- 6 Continue by placing the film under the two bottom film guide rollers. If there is not enough film to reach all the way to the take-up reel, turn the motor switch on and momentarily move the control lever to FORWARD. Then turn the motor switch off.
- 7 Slip the end of the leader into the slot in the hub of the take-up reel. Turn the reel clockwise (top to the right) to take up the slack.



PROJECTING THE FILM

1 With the control lever in *STILL*, turn the motor switch on *FIRST*, then turn the lamp switch on. Always be sure the motor is running before the lamp is turned on—this assures proper cooling of the lamp and film.

2 Move the control lever to *FORWARD* for normal projection. To stop the projector, lift the lever up and let it return to *STILL*. By moving the lever to *REVERSE* you can run the film backwards and get many unusual effects. Notice that when the lever is on *STILL* and the lamp is on, the intensity of the light is reduced to prevent damage to the film. If you stop the projector on *STILL* and the

shutter is not open to show the picture, turn the manual film advance wheel until the picture can be seen.

3 Check to make certain the film is moving properly and that the loops at the top and bottom of the film track are maintained. Also check that the take-up reel is winding up the film properly.

4 Focus the movie image (or title) by rotating the projection lens in or out. The lens can also be moved straight in and out if you desire. If more than one movie is shown on a large reel, it may be necessary to check the focus occasionally.

OPERATING TIPS



Framing—if your projected picture shows a frame separation line at the top or bottom (see illustration 1), move the *framing lever* up or down until the picture is centered (illustration 2).

Chattering noises indicate the film is not properly seated in the film track. Stop the projector and make sure the pressure pad is flat against the film track and the film is moving through the track properly. The manual film advance wheel should be used to check the film movement.

Loss of film loops also indicates the film is not seated correctly either in the film track or on the sprocket wheels. Stop the projector and check the threading instructions again.

Film perforations should be on the outside of the reel when the film is being threaded. If they are not, your reel of film may not have been rewound after the last showing.

IMPROVING YOUR MOVIES

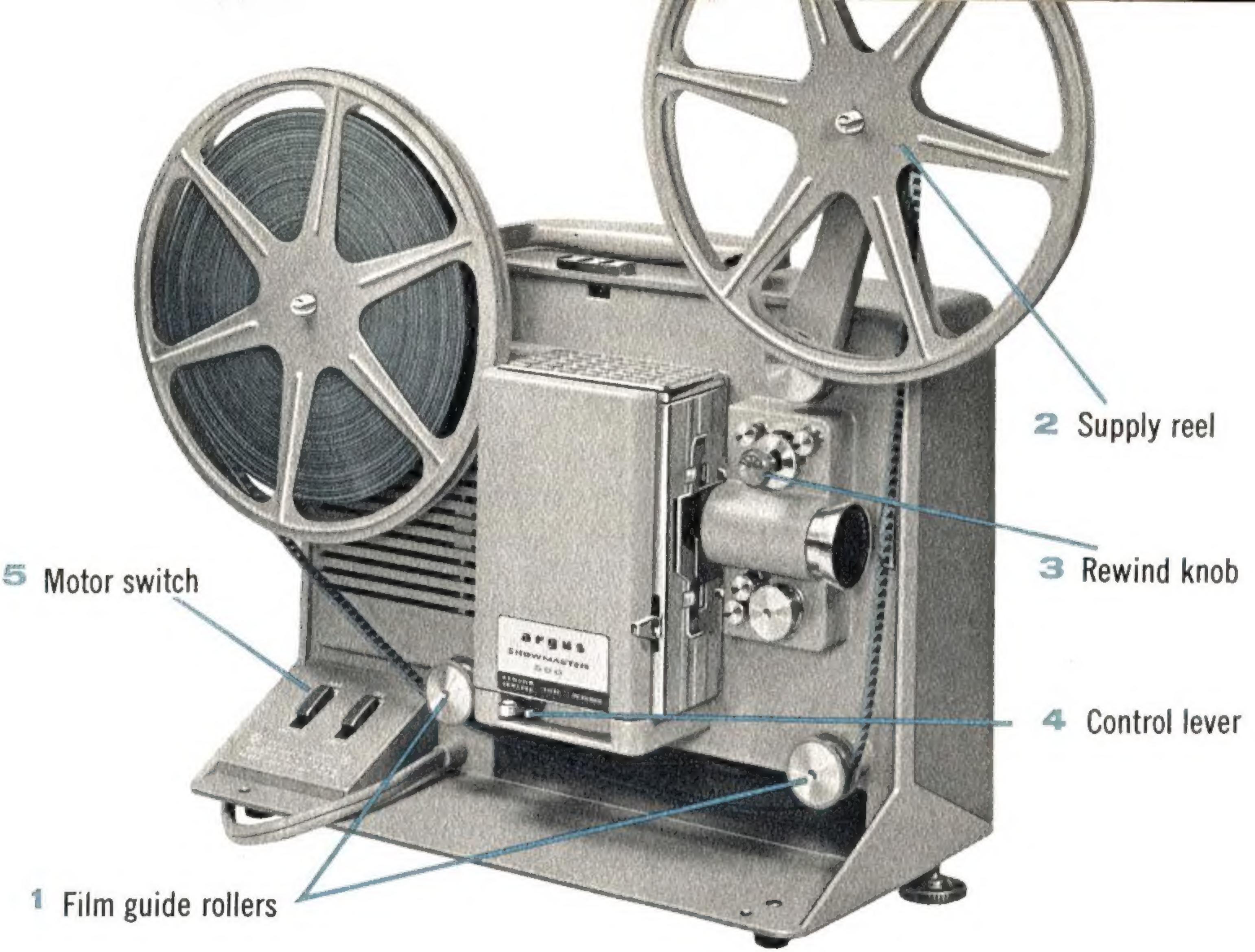
Screens—The size of the screen to use for your movies may be limited by the size of the room where the movies may be shown. Your dealer has all types and sizes, and the chart on page 4 will help you to find the size you will need.

Editing—The scenes in your movie can be changed in order of appearance by cutting them out and splicing them into another part of the reel. At the same time, you can take out the least interesting scenes or shorten the scenes that are too long. Your dealer has complete equipment for editing and splicing your movie film.

Longer showings—Your films are usually returned to you on 50-foot reels, but they can be joined (spliced) together and placed on larger reels if you like. Your Showmaster projector will accept reels of up to 400-foot capacity, and these will provide you with shows lasting as long as 33 minutes. Your dealer will have larger reels in stock, and also cans to hold the reels and protect the film from dust.

Titles—They will spark up your home movies and explain each scene as it appears on the screen. Titling kits can be purchased, or you can make your own titles by using road signs, billboards, or calendars which show the place or date.

Care and storage—Your movie film can be cleaned if it becomes necessary, but it should be done with care. Film cleaners are especially made for this purpose, and their directions should be carefully followed. Films should be stored in a cool place that has normal humidity. They could be damaged if subjected to heat, high humidity, or dryness for long periods.



REWINDING THE FILM

- 1 After the film has run through the projector, you are ready to rewind. Leave the reels as they are and thread the film from the take-up reel under the two film guide rollers. Continue on up to the supply reel *bypassing the film track and sprocket wheels*.
- 2 Slip the end of the film into the slot in the reel hub. Turn the reel counter-clockwise (top to the left) to start the film on the reel and to take up the slack. Be sure the film is still under the two film guide rollers at the bottom.
- 3 Pull the rewind knob out firmly. This gives you a direct drive for rewinding your film. *Be sure to push this knob in*

after rewinding and before you show more film.

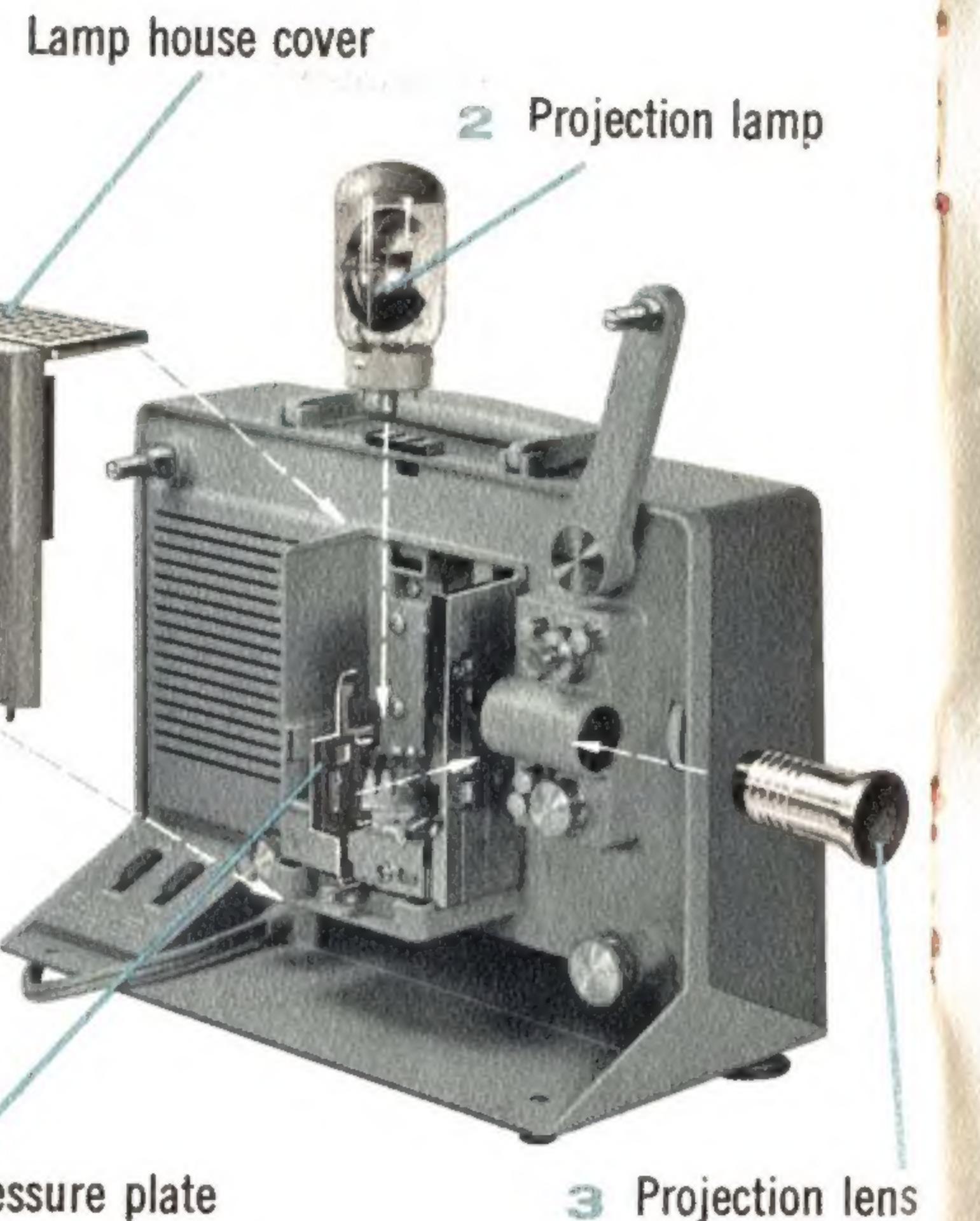
- 4 Move the control lever to REWIND and let it snap down in place. This is the same position you used for reverse.
- 5 Turn the motor switch on (*leave the lamp off*). Watch the film so that it does not jump off the rollers when the motor first starts. The film will automatically rewind on to the supply reel, ready for another showing.

After rewinding, be sure you return the control lever to neutral (STILL) and *push the rewind knob back in*. Leave the control lever in STILL whenever the projector is not being used.

CARE AND CLEANING

Unplug the power cord before removing the lamp or cleaning the projector.

- 1 The LAMP HOUSE COVER is removed by firmly pulling outward *from the top*. This allows easy access to the projection lamp and the inside of the film track. Notice how the bottom of the cover fits into the base for correct seating when the cover is replaced.
- 2 When the PROJECTION LAMP has cooled, remove it by pulling straight up. *Do not twist*. To replace the lamp, place it in the socket and turn it until the key in the lamp base fits into the slot in the socket. The reflector will be facing forward. *Push straight down to seat*. If a replacement is needed, ask your dealer for *Sylvania Tru-Flector Projection Lamp, ASA Code DFA*.



- 3 Remove the PROJECTION LENS by pulling it straight out. The external surfaces of the lens can be cleaned with a soft brush or with lens cleaning tissue. To replace, just push back into the lens mount.
- 4 To clean the APERTURE GATE, it is best to remove the PRESSURE PLATE. This is done by grasping the tab, pushing inward, then lifting the plate toward the lens. The pressure plate will easily slip out of its mounting fittings. Note how the "S" shaped spring holds the plate on the film track. The plate must be placed under this spring when replacing, and pushed back until the fittings slip into their places in the film track. Clean the aperture in the pressure plate and in

the film track with a small brush or with a soft, lintless cloth.

Your projector is lifetime lubricated when manufactured. NO FURTHER LUBRICATION IS NECESSARY.

For information, service or replacement parts for your Showmaster, see your local Argus dealer or write to:

**CUSTOMER SERVICE DEPARTMENT
ARGUS CAMERAS, INC., ANN ARBOR, MICH.**

Subsidiary of Sylvania Electric Products Inc.

**in Canada, write to
ARGUS CAMERAS OF CANADA, LTD.
REXDALE, ONTARIO**

When writing about your Argus projector, be sure to mention the serial number (found inside the lamp house), model name and model number.

SPECIFICATIONS

CONSTRUCTION — All metal, die-cast body and covers, size $10\frac{3}{4}'' \times 6\frac{1}{2}'' \times 8''$, weight 11 lbs.; nylon gears for quiet operation; life-time lubrication.

LAMP — Sylvania Tru-Flector Projection Lamp, ASA Code DFA.

LENS — Argus f/1.5 22mm, coated, color-corrected; 4 element construction.

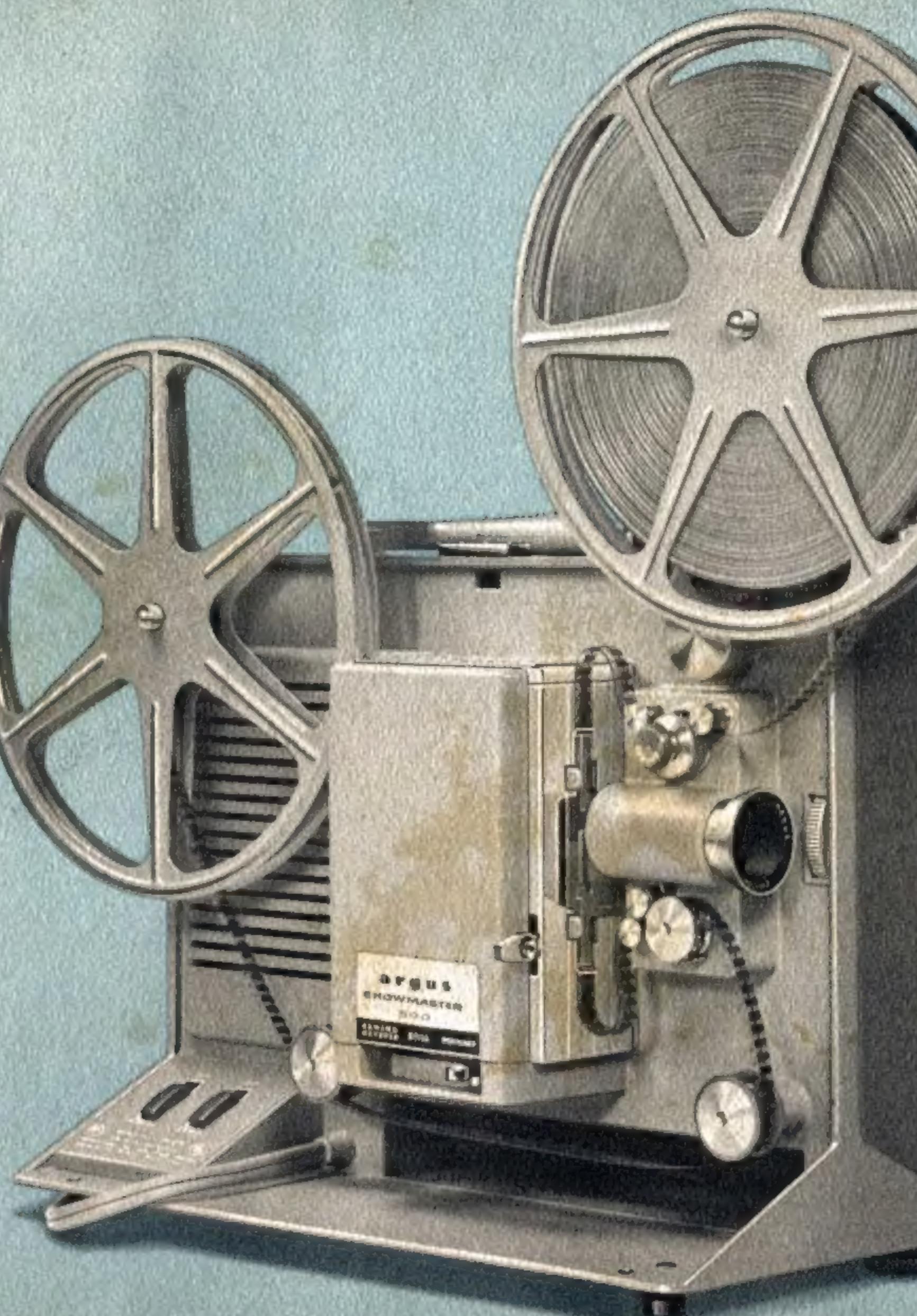
FILM CAPACITY — handles reels up to 400-foot capacity; take-up reel (included) accepts up to 400 feet of film.

PROJECTION SPEED — 16 frames per second, 12 feet per minute.

Your Argus Showmaster Movie Projector was manufactured, inspected, and tested by skilled craftsmen. It is guaranteed to be free of defects in workmanship or material during its lifetime. If any servicing becomes necessary because of imperfections in materials or workmanship, your projector will be factory serviced without charge.

Argus equipment which has been damaged, mishandled, or worn from extensive use will be factory serviced at established rates. Equipment purchased as used or rebuilt is not covered by this guarantee.

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